



**Sughrue**

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July 3, 2001

07/03/01  
10/03/01  
JCS85 U.S. PTO

BOX PATENT APPLICATION

Commissioner for Patents

Washington, D.C. 20231

10/03/01  
09/897436  
JCS85 U.S. PTO

Re: Application of Marcellin ESPELLAC and Pierre CRESPIN  
PROCEDURE AND DEVICE FOR CRACKING OF HYDROCARBONS  
USING TWO SUCCESSIVE REACTION CHAMBERS  
Assignee: **TOTAL RAFFINAGE DISTRIBUTION S.A.**  
Our Ref. Q65076

Dear Sir:

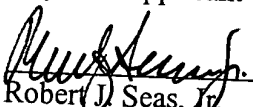
Attached hereto is the application identified above including thirty-five (35) sheets of the specification, including the claims and abstract, and four (4) sheets of formal drawings. **The requisite U.S. Government filing fee, the executed Declaration and Power of Attorney and Assignment will be submitted at a later date.** Also enclosed is an Information Disclosure Statement and PTO Form 1449 with references.

The Government filing fee is calculated as follows:

Total claims	<u>28</u> - 20	=	<u>8</u>	x	\$18.00	=	<u>\$144.00</u>
Independent claims	<u>2</u> - 3	=		x	\$80.00	=	<u>\$0.00</u>
Base Fee							<u>\$710.00</u>
<b>TOTAL FEE</b>							<u><b>\$854.00</b></u>

Priority is claimed from July 05, 2000 based on French Application No. 0008732. The priority document are enclosed herewith.

Respectfully submitted,  
SUGHRUE, MION, ZINN,  
MACPEAK & SEAS, PLLC  
Attorneys for Applicant

By:   
Robert J. Seas, Jr.  
Registration No. 21,092

RJS:rw1

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